

ABSTRACT

A intelligent label comprising a radio frequency transponder coupled to a global positioning system, a magnetic field sensing system, and/or a fingerprint sensor system, all of which are attached to a substrate. Once the intelligent label utilizing a global positioning system is attached to an object, it will enable the object to be tracked as it moves from one point to another point. As the object moves, the global positioning system receives signals from GPS satellites and processes those signals into location data. The data is then either transmitted directly to an interrogation station by the radio frequency transponder, or stored in a memory. The memory serves to allow all or part of the previous location data to be stored for transmittal to an interrogator at a later date.